

<b>APICAL</b> INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03732				SHEET 1 OF 1	
	DWG NO. 649.4700	REV: B	PREPARED BY B. PETERS	DATE: 12/06/12	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: A119 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED SUPPLIER PART NUMBERS ON BOM.				ECR: 12-54	

Superseded

## SHEET 1, BOM IS:

46	R	601.3146	2		SCREW	MS24694S57	
36	R	601.3008	2		INSERT	NAS1834C3-300	
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL	SPECIFICATION
			.4701				
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED
<input type="checkbox"/> RFMS <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM						<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

# NOTES:

1. APPLY F/N 62 TO FAYING SURFACES.

2. AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES

2/B7

DETAIL A

3

3/B7

DETAIL B

DETAIL D

5/B6

DETAIL C

4/B7

UNINCORPORATED ECN(s)

03732

16	66	601.3151	WASHER	NAS1149F0363P	
	65		DELETED		
2	64	601.3537	SCREW	MS24694-S14	
1	63	600.1012	SEALANT	PR-1425 CLAS B	
1	62	601.2045	RTV	LOCTITE 598	
8	61	601.2381	WASHER	NAS620C-10L	
8	60	601.2638	WASHER	NAS1149F0432P	
23	59	601.2764	WASHER	NAS1149FN832P	
53	58	601.1607	WASHER	NAS1149F0332P	
2	57	601.3470	WASHER	AN970-3	
6	56	601.1365	SCREW	MS27039-1-10	
4	55	601.1621	SCREW	MS27039-1-08	
2	54	601.3289	SCREW	MS27039-1-25	
6	53	601.2765	SCREW	MS27039-0819	
13	52	601.3190	SCREW	MS27039-1-13	
3	51	601.3124	SCREW	MS27039-0824	
4	50	601.1622	SCREW	MS27039-1-14	
4	49	601.2910	SCREW	MS27039-1-18	
	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
LAST PROTOTYPE REVISION: PR2			
N/C	INITIAL RELEASE	01-26-2012	P. BRAVO
A	INCORPORATED ECN 03444, 03489	04-17-2012	P. BRAVO
B	INCORPORATED ECN 03527	05-29-2012	P. BRAVO

	2	48	601.3252	SCREW	MS24694S58	
	3	47	601.3536	SCREW	MS24694-S13	
	2	46	601.3146	SCREW	MS24694C57	
	8	45	601.1125	RIVET	MS20470AD5-11	
	4	44	601.2542	RIVET	MS20470AD5-9	
		43		DELETED		
	23	42	601.1773	RIVET	MS20470AD4-3	
	12	41	601.1616	RIVET	MS20426AD3-5	
	6	40	601.1900	NUTPLATE	MS21059-3	
	1	39	601.3209	LOCKNUT	MS21042L4	
	25	38	601.1624	LOCKNUT	MS21042L3	
	14	37	601.1541	LOCKNUT	MS21042L08	
	2	36	601.3008	INSERT	NAS1834C-300	
	2	35	601.3468	INSERT	NAS1832-4-7	
	8	34	601.3459	INSERT	NAS1832-3-7	
	2	33	601.3474	CHERRY RIVET	CR3214-5-02	
	31	32	601.3496	CHERRY RIVET	CR3213-6-12	
	20	31	601.3472	CHERRY RIVET	CR3213-5-05	
	29	30	601.1183	CHERRY RIVET	CR3213-4-05	
		29		DELETED		
	16	28	601.2020	CHERRY RIVET	CR3213-5-03	
	2	27	601.3473	CHERRY RIVET	NAS1097AD-4-3	
	2	26	601.2669	BOLT	AN4C7A	
	4	25	601.3555	BOLT	AN4C5A	
	8	24	601.0788	BOLT	AN3C12A	
	1	23	649.5112	WIPER DEFLECTOR		
	1	22	649.5111	WIPER DEFLECTOR		
	2	21	649.5110	WIPER DEFLECTOR		
	8	20	647.9014	STRUT BRACKET		
	4	19	646.9910	STRUT		
	3	18	649.4815	SHIM		
	1	17	649.4812	SHIM		
	2	16	649.5213	DOUBLER		
	2	15	649.4813	SHIM		
	1	14	649.5211	SHIM		
	2	13	601.3493	QUICK RELEASE PIN		
	1	12	649.4816	DOUBLER		
	2	11	649.4814	DOUBLER		
	2	10	649.5210	DOUBLER		
	1	9	649.5011	DEFLECTOR		
	2	8	649.5013	DEFLECTOR		
	2	7	649.5012	DEFLECTOR		
	1	6	649.4811	CLIP		
	1	5	649.5212	BRACKET		
	1	4	649.5214	BRACKET		
	1	3	649.5010	DEFLECTOR		
	1	2	649.4901	UPPER CUTTER ASSY		
	1	1	649.4902	LOWER CUTTER ASSY		
			649.4701	A119 CABLE CUTTERS KIT		
	4701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY

NEXT ASSY (S)

ORIGINAL DATE  
IMO-DA-YR 04-17-2012  
DRAWN BY S. COCHRAN  
CHECKER P. BRAVO  
DRAWING APPROVAL  
P. BRAVO  
04-17-2012  
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE  
2 PLACE DECIMALS ±.010  
3 PLACE DECIMALS ±.005  
ANGLES ±.5°

PARTS LIST  
**APICAL INDUSTRIES**  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300  
**A119 CABLE CUTTERS KIT**  
SIZE B CAGE CODE 07M26 DWG. NO. 649.4700 REV. B  
SCALE NONE SHEET 1 OF 5



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

This isometric drawing illustrates the A119 Cable Cutters Kit assembly. The main components include two large cutting heads, a central handle assembly, and various mounting brackets and pins. Callouts identify specific parts by number and quantity:

- (25) 2 PL
- (60)
- (38)
- (30) 12 PL
- (16)
- (24) 2 PL
- (58) 2 PL
- (66) 2 PL
- (38)
- (19)
- (38) 2 PL
- (60)
- (26)
- (2)
- (5)
- (64) 2 PL
- (59) 2 PL
- (37) 2 PL
- (47) 3 PL
- (59) 2 PL
- (37) 2 PL
- (32) 31 PL
- (20) 2 PL
- (53) 2 PL
- (59) 4 PL
- (37) 2 PL
- (38) 2 PL
- (66) 4 PL
- (58) 4 PL
- (24) 2 PL
- (42) 23 PL
- (33) 2 PL
- (28) 16 PL
- (31) 8 PL
- (4)
- (51) 3 PL
- (59) 6 PL
- (37) 3 PL
- (6)
- (45) 2 PL
- (17)
- (4) 4 PL
- (30)

DETAIL E  
RH SHOWN  
LH OPPOSITE

DETAIL A  
SHOWN ISOMETRICALLY

DETAIL F

APICAL INDUSTRIES  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300

A119 CABLE CUTTERS KIT

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ± .01  
3 PLACE DECIMALS ± .005  
ANGLES ± .5°

SIZE	CAGE CODE	DWG. NO.	REV.
B	07M26	649.4700	B

SCALE NONE SHEET 2 OF 5

DETAIL A  
SHOWN ISOMETRICALLY

DETAIL F

ORIGINAL DATE IMD 04-19-97	04-17-2012	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY S. COCHRAN	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO	04-17-2012	A119 CABLE CUTTERS KIT			
CONTRACT No					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±°.	SIZE	CAGE CODE	DWG. NO.	REV.	
	B	07M26	649.4700	B	
	SCALE NONE			SHEET	2 OF 5

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

C C

22 SHOWN  
23 OPPOSITE

48  
36  
58  
38

55  
57  
58  
38

15

3 PL 45

31 6 PL

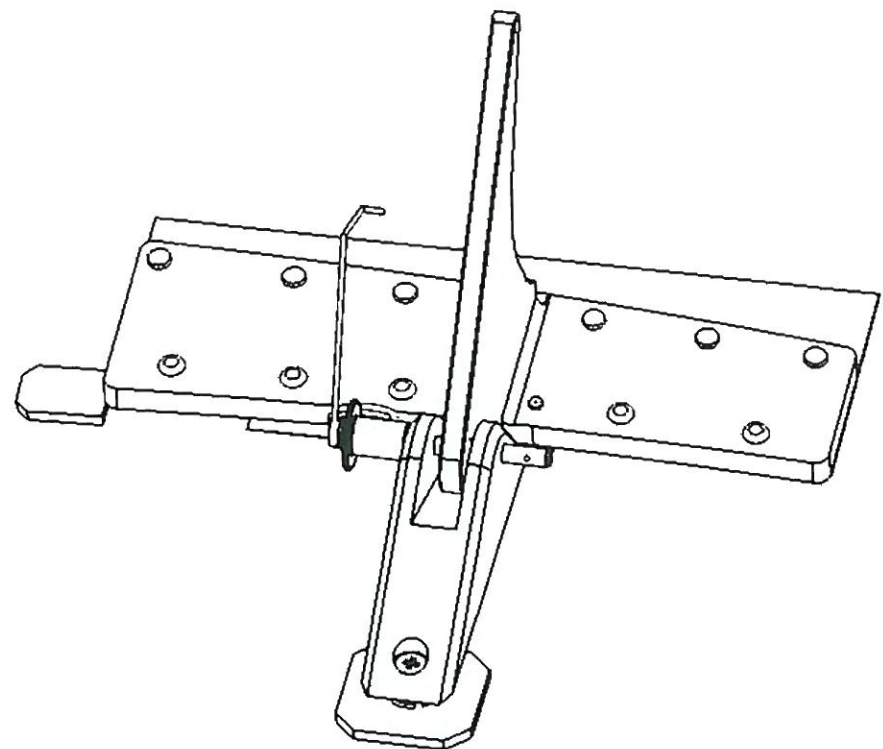
18

11  
13

21

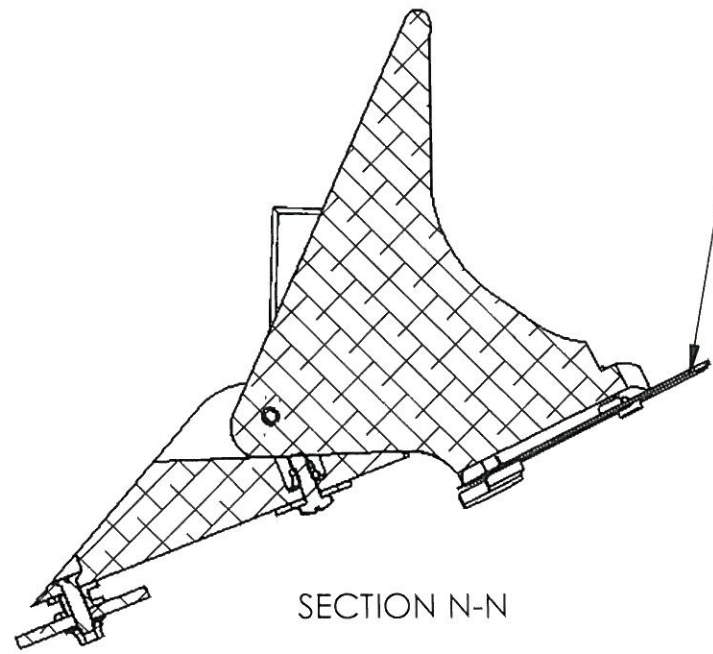
27

2 PL 44



DETAIL B  
SHOWN ISOMETRICALLY  
RH SHOWN  
LH OPPOSITE

1/B2

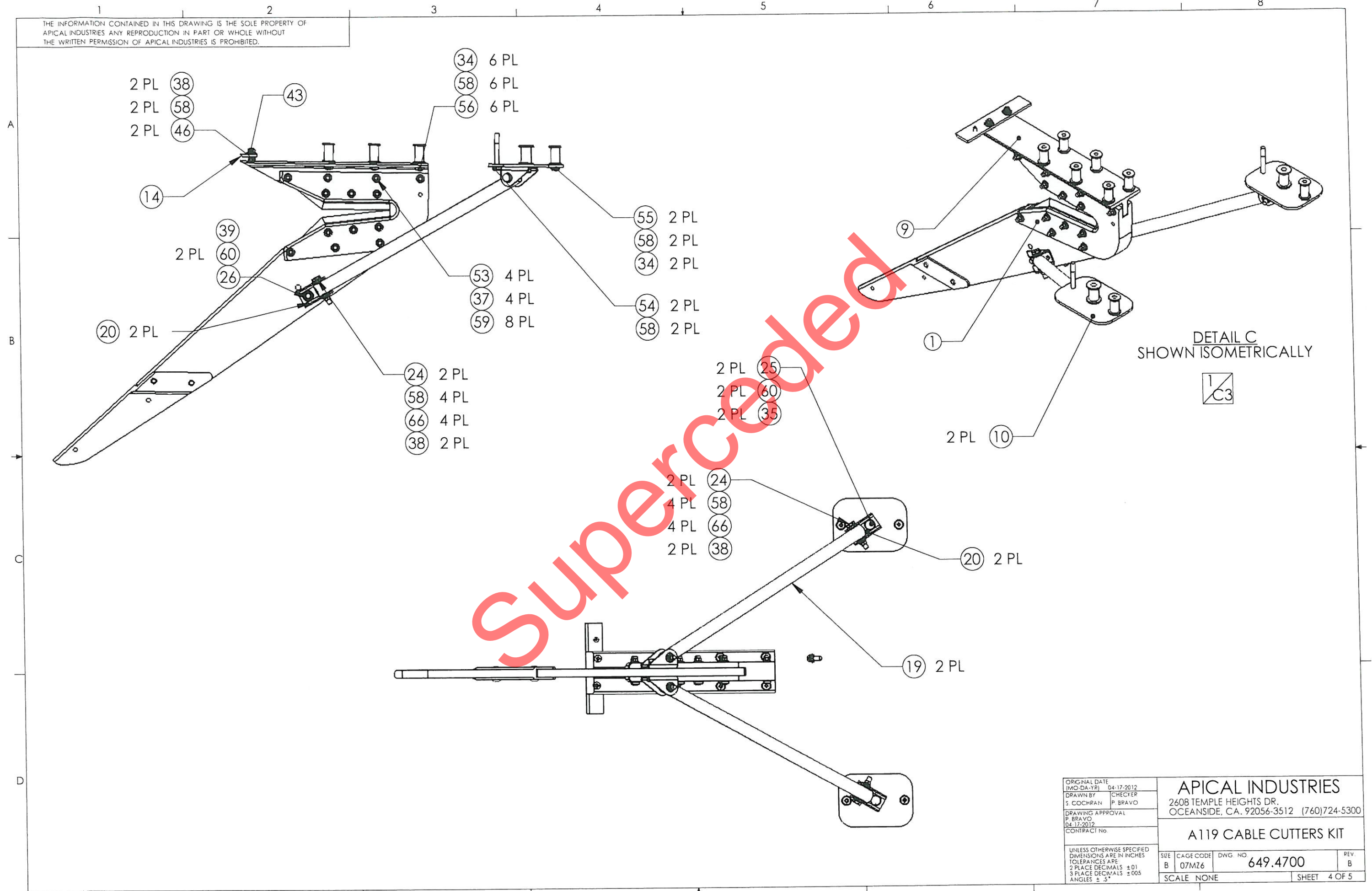


SECTION N-N

ORIGINAL DATE (MO-DA-YR) 04-17-2012		APICAL INDUSTRIES	
DRAWN BY S. COCHRAN	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 04-17-2012 CONTRACT NO.		A119 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6
		DWG. NO. 649.4700	REV B
		SCALE NONE	SHEET 3 OF 5

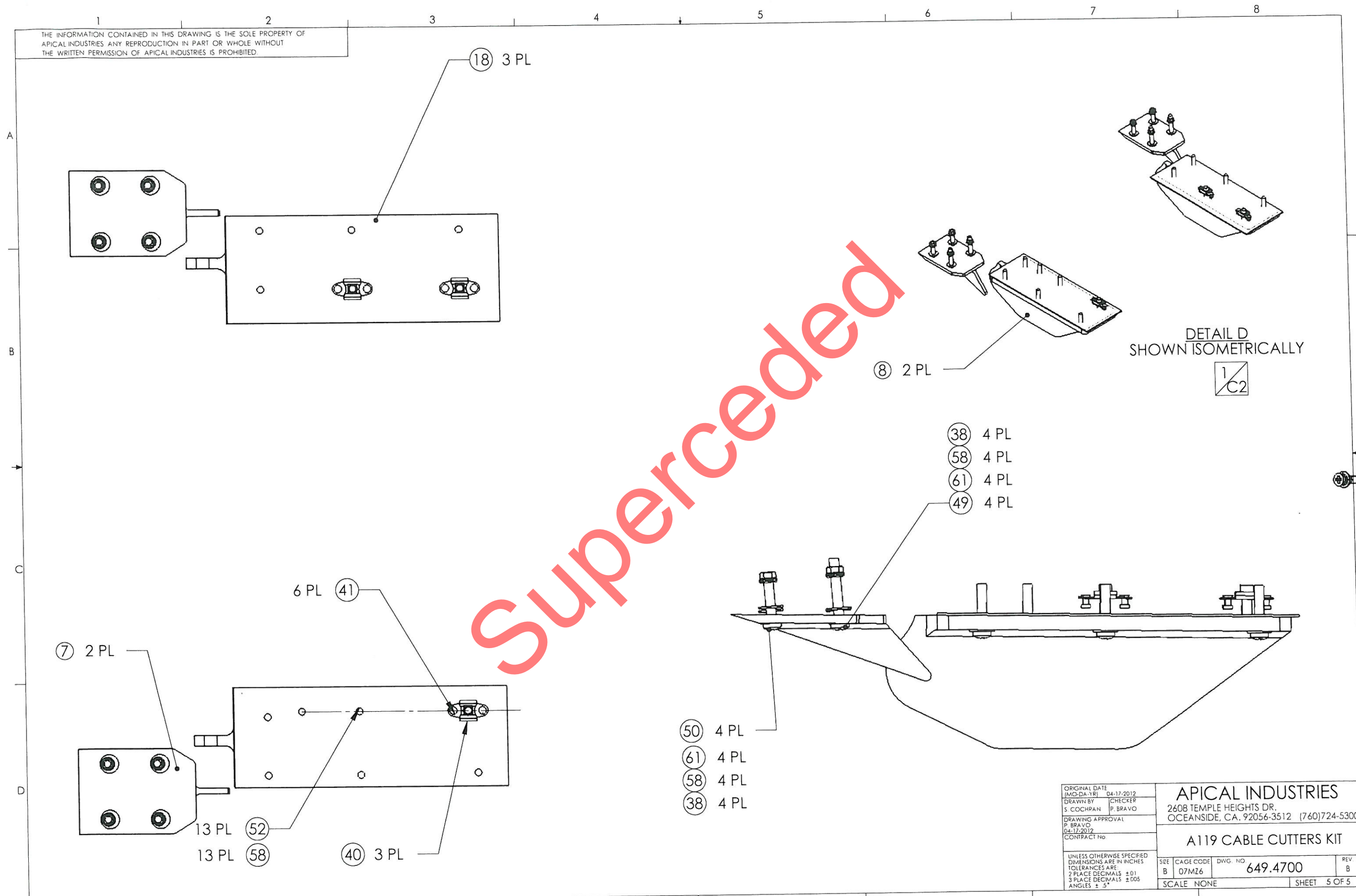


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



ORIGINAL DATE (MO-DA-YR) 04-17-2012		APICAL INDUSTRIES	
DRAWN BY S COCHRAN		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P BRAVO		A119 CABLE CUTTERS KIT	
DRAWING APPROVAL P BRAVO			
04-17-2012			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.005 3 PLACE DECIMALS ±.001 ANGLES ±.5°		SIZE B CAGE CODE 07MZ6 DWG NO 649.4700 REV. B	
		SCALE NONE SHEET 4 OF 5	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



ORIGINAL DATE (MO-DA-YR) 04-17-2012		APICAL INDUSTRIES	
DRAWN BY S. COCHRAN	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 04-17-2012		A119 CABLE CUTTERS KIT	
CONTRACT NO.		SIZE B	REV B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07M26	DWG. NO. 649.4700
		SCALE NONE	SHEET 5 OF 5